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# How And Why Motorcycle Design And Technology

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The Static Ergonomics of Motorcycle Design  
 Ride  
 How to Set Up Your Motorcycle Workshop  
 A Case Study in Motorcycles  
 Motorcycles Design to Color and Quote for Biker Coloring  
 Motorcycle Jackets  
 100 Years of Designing for Speed  
 The Art and Science  
 Modern design and optimisation  
 I Draw Motos  
 An Inquiry Into Values  
 The Custom Motorcycles of Dynamic Choppers  
 Motorcycle  
 Chop Art  
 A Century of Leather Design  
 Designing, Tooling, and Stocking  
 A Nut-And-Bolt Guide to Customizing Your Bike  
 Japan's Motorcycle Wars  
 Race Tech's Motorcycle Suspension Bible  
 Spaceships, Cars and Pilots of Another Galaxy  
 The Theory and Practice  
 Motorbooks Workshop: Motorcycle Design and Technology Handbook  
 How to Design and Apply Automotive and Motorcycle Paint and Graphics  
 An Industry History  
 How to Build a Motorcycle  
 Futuristic Electric Motorcycle Concept  
 Vintage Motorcycle Coloring Book  
 American Motorcycle Design  
 My Cool Motorcycle  
 Motorcycle Chassis Design  
 Motorcycle  
 Motorcycle Design and Technology  
 Motorcycle Handling and Chassis Design  
 Motorbike Suspensions  
 Icons of Motorcycle Design  
 Observations on Status and Research Needs : Report of the Subcommittee on Motorcycle Design of the Committee Motorcycles and  
 Mopeds, Transportation Research Board  
 Motorcycle Electrical Systems  
 Flames, Pinstripes, Airbrushing, Lettering, Troubleshooting & More  
 The Definitive Visual History  
 Motorbike Graphics

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Technology*

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The Static Ergonomics of Motorcycle Design Giorgio Nada Editore Srl

This Vintage Motorcycle Coloring Book the perfect way to relieve stress and aid relaxation while enjoying beautiful and highly detailed images. Product Details: Presentation Page for Gift-Giving Printed single sided on bright white paper Premium matte cover finish Large format 8.5" x 11.0" pages

*Ride* McGraw Hill Professional

"When was the first motorcycle developed? Who holds the current speed record? What is the finest customized bike on the market? This two-wheeled odyssey through the history of the motorcycle showcases both the myriad design interpretations and the storied subcultures that the machine has inspired. The many guises of this modern cultural icon are revealed by motorcycle experts, covering subjects ranging from the history to the customization of the machine, vintage to contemporary riding

gear, clubs and associations to bike culture and its heroes in life and on screen. Packed with full-color illustrations of distinctive and outrageous designs, motorcycle ephemera and fashions, and unforgettable moments, *Motorcycle Mania* is a captivating visual chronicle."--BOOK JACKET.Title Summary field provided by Blackwell North America, Inc. All Rights Reserved

**How to Set Up Your Motorcycle Workshop** Phaidon Press  
If you can't be on your motorcycle on the open road, the next best place is the garage. *Motorcycle Dream Garages* opens the doors to sixteen palaces for two-wheeled work and play.

**A Case Study in Motorcycles** Graffito Books

A step-by-step guide to building an electric motorcycle from the ground up Written by alternative fuel expert Carl Vogel, this hands-on guide gives you the latest technical information and easy-to-follow instructions for building a two-wheeled electric vehicle--from a streamlined scooter to a full-sized motorcycle. *Build Your Own Electric Motorcycle* puts you in hog heaven when it comes to hitting the road on a reliable, economical, and environmentally friendly bike. Inside, you'll find complete details on every component, including motor, batteries, and frame. The

book covers electric motorcycles currently on the market and explains how to convert an existing vehicle. Pictures, diagrams, charts, and graphs illustrate each step along the way. Whether you want to get around town on a sleek ride or cruise the super slab on a tricked-out chopper, this is the book for you. **Build Your Own Electric Motorcycle** covers: Energy savings and environmental benefits Rake, trail, and fork angle Frame and design Batteries and chargers DC and AC motor types Motor controllers Accessories and converters Electrical system and wiring Conversion process Safety, maintenance, and troubleshooting

**Motorcycles Design to Color and Quote for Biker Coloring**  
Dorling Kindersley Ltd

This book addresses a perennial challenge for product planners and designers alike: how to objectively specify and quantify the aesthetics of products. It provides automotive product planners with a framework for the grammar of aesthetics and a tool for quantifying the aesthetics of an intended product. Further, it equips styling designers with a tool for connecting engineering and aesthetics. Given the author's extensive experience in motorcycle design, the motorcycle has been chosen as the frame of reference for automobiles. Specifically in the field of automobile design, where engineering and aesthetics go hand in hand, it also becomes important to clearly and objectively define the relationship between engineering design and aesthetics. Accordingly, this book (1) clearly establishes the objective parameters of aesthetics, (2) puts forward a method for quantifying aesthetics, (3) identifies the engineering design parameters affecting aesthetics, and (4) determines the relationship between parameters of aesthetics and engineering design. As such, it offers a useful guide not only for design professionals, but also for students and researchers of design.

**Motorcycle Jackets** Harper Collins

The leather motorcycle jacket is more than a coat; it's a mentality. Beginning in the early twentieth century, airplanes, automobiles, and motorcycles redefined freedom, idealized speed, and captured the hearts of men and women alike. The leather jackets developed to protect pilots, racers, and motorists from the elements came to symbolize a romantic sense of rugged adventure. In particular, motorcycle jackets maintained this ideal for decades to come. The first of its kind, this beautiful classic book traces the evolution of the motorcycle jacket over the past century. Hundreds of jackets and accessories from dozens of leather companies past and present are featured in over 1,000 rich color photos--with careful attention to details, original catalog pages, and full pricing information. Surrounding the jackets is a fascinating array of historical photos that capture the motorcycle culture and will make any enthusiast swoon.

**100 Years of Designing for Speed** Pavilion

The most complete collection of contemporary bike art ever compiled, by leading outsider artists from the US, UK, Europe, Australia and Japan. Choppers, Road Rockets, Greasers, Café Racers, Dirt Trackers and Conceptual creations. Every tribe, sub-culture and shade of emotion which four-stroke freedom machines inspire is represented. This is the art that captures the dreams and realities of every motorcyclist in the world.

**The Art and Science** JHU Press

Set your pulse racing with this stunning visual guide to over 1000 pin-up machines - iconic symbols of wanderlust, speed, and the open road. From Gottlieb Daimler's gas-powered "engine on a bicycle" which set fire to the seat on its first outing, to superbikes such as the Ducati 916, **The Motorbike Book** takes you on an enthralling tour of the bike's history. It shows you bikes that appeal to the head - practical forms of transport - and to the heart - a parade of classic pin-ups including cult machines such

as the Honda RC30, the Triumph Bonneville and the Harley-Davidson XR750. **The Motorbike Book** shows the brilliance and impracticality of different designs and features detailed cross-sections of engines such as the air-cooled two-stroke. It explains how the great marques such as the Royal Enfield, the "legendary" Indian Scout, Vespa, and Norton all became household names. Whether you are a hardcore enthusiast, or looking forward to your first machine, this is one title you cannot be without.

**Modern design and optimisation** Laurence King

**How and Why Motorcycle Design and Technology** Giorgio Nada Editore Srl

**I Draw Motos** UBC Press

This **MotorCycle Adult Coloring Book** Designs the perfect way to relieve stress and aid relaxation while enjoying beautiful and highly detailed images. Product Details: Printed single sided on bright white paper Premium matte cover finish Large format 8.5" x 11.0" pages

**An Inquiry Into Values** Thunder Bay Press (CA)

The field of design combines the talent of an artist, the intuition and awareness of what the future could be, curiosity, and a drive to create and adapt new technologies. RIDES shares the process and complexity of design development. The young and old alike will be inspired by viewing the steps towards creating an object of beauty and innovation. With this first book in a series of five, Belker introduces his dream of an electric motorcycle with drawings, renderings and 3D models.

**The Custom Motorcycles of Dynamic Choppers** Rizzoli Publications

An essential and compelling exploration of the design, history, and culture of the motorcycle - an icon of the machine age. Motorcycles are ubiquitous in the world's streets and cities, evolving over decades in engineering and design to meet individual transportation needs. With the coming demise of the internal combustion engine and the rise of electric-powered vehicles, motorcycle design is being revolutionized by new technologies, the demands of climate change, and global social transformation. **The Motorcycle: Desire, Art, Design** traces the exciting evolution of this automotive icon -- and the culture of desire, freedom, and rebellion that surrounds it.

**Motorcycle** Motorbooks

Motorcycle riders today have an increasingly sophisticated and more specialised range of bikes to choose from but interest in classic bikes has also influenced the design of these new machines. Looking back across the 100 years or so of the motorcycle, my cool motorcycle features over 60 stylish bikes of all shapes and sizes along with a cross-section of passionate owners and their personal stories. Many of these iconic bikes have been customised with unique styling and the high-quality, stylish photography illustrates a plethora of bike detailing covering signage, gauges, dials and bike typography. The book also includes details of extraordinary intercontinental journeys, bike culture, early examples of powered bicycles used in the First World War through sidecars for carrying the family to cutting edge, 21st century design capable of speeds over 150mph, bike collectors, iconic legends of motorcycle racing, and a look at different uses for motorcycles.

**Chop Art** Motorbooks International

**Easy Rider. Motocross Grand Prix. James Dean in Rebel Without a Cause.** The motorcycle is a global icon of untamed freedom, symbolizing a daring and reckless lifestyle of adventure. Yet there are few books that chronicle how and when this legendary vehicle roared down the open road. **Motorcycle** explores the roots of the rebel's ultimate ride. After early incarnations as a nineteenth-century steam-powered bicycle and multi-wheeled vehicles, the modern motorcycle came into its own as a cheap,

mobile military asset during World War I. From there, it rapidly spread through modern culture as a symbol of rebellion and subversive power, and *Motorcycle* tracks the symbolic role that the bike has played in literature, art, and film. The authors also investigate the international subcultures that revolve around the motorcycle and scooter. They chart the emergence of American biker culture in the 1950s, when decommissioned fighter pilots sought new ways to satiate their desire for thrill and danger, and explore how the motorcycle came to represent the untamed nonconformity of the American West. In contrast, smaller scooters such as the Vespa and moped became the utilitarian vehicle of choice in space-starved metropolises across Europe and Asia. Ultimately, the authors argue, the motorbike is the exemplary Modernist object, dependent on the perfect balance of man and machine. An unprecedented and wholly engrossing account, *Motorcycle* is an essential reading for the Harley-Davidson roadhog, bike collector, or anyone who's felt the power of the unmistakable king of the road.

[A Century of Leather Design](#) Createspace Independent Publishing Platform

'Cosmic Motors' shows the design process of unique futuristic vehicles, from the first initial sketches to the stunningly detailed 3-D models and final photorealistic full spread renderings. Spaceships, pods, racing cars, giant trains, warships and balloons are shown from concept to completion.

[Designing, Tooling, and Stocking](#) Motorbooks International  
Long awaited reprint of this "How to ride a bike" guide. It is meant for anyone who has never ridden a motorcycle, for enthusiasts who would like to know more on the function and behaviour of the main parts of the motorcycle, but also for hands and centaurs with years of experience and for well-informed technical experts who have plenty of know-how in the sector. Moreover, the reader will find a complete illustration of the main components of the motorcycle and their basic functioning, with lots of drawings and figures supported by technical concepts that have never been so thoroughly explained. In a word, this is a book for any two-wheeler enthusiast.

[A Nut-And-Bolt Guide to Customizing Your Bike](#) Rizzoli Publications

Although they may look like simple components, the motorbike fork plays a critical role in the overall dynamic behaviour of motorcycles. It must provide appropriate stiffness characteristics, damping capabilities and the lowest sliding friction values in order to guarantee as much performance, safety and comfort as possible to the rider. *Front Motorbike Suspensions* addresses the fundamental aspects of the structural design of a motorbike fork. Utilizing the authors' many years of experience in this industrial research topic, *Motorbike Suspensions* provides useful design rules and applied mechanical design theories to optimize the shape of motorbike suspension. Overall structural considerations

are explored alongside specific aspects including how bolted and adhesively bonded joints design can be applied to these components. R&D designers in the motorcycle industry who would like to improve their knowledge about the structural design of motorbike suspension will find *Motorbike Suspension* a concise and coherent guide to this specific feature. Whereas, undergraduates and graduates in industrial engineering matters may use this as a case study for an interesting application of the theories learned from machine design courses.

**Japan's Motorcycle Wars** Motorbooks

168 page full color documented look at some of the custom motorcycles that came out of the doors of Dynamic Choppers, full and double page spread of more than 100 one off custom builds...

**Race Tech's Motorcycle Suspension Bible** Createspace Independent Publishing Platform

No other motorcycle can match the style, looks, or sound of these polished chrome masterpieces with their famous, rumbling V-twin engines. This book celebrates the best of Harley-Davidson's magnificent heritage, detailing more than 50 machines, built over nearly a century of manufacturing. All the most famous production models are included, from the Silent Gray Fellow of 1911, right up to today's motorcycles, with their Twin Cam 88 engines. Stunning photography highlights every aspect of each motorcycle with superb double-page pictures and close-up detail shots. The book fully explains the most important parts of each machine and explores the fascinating history that makes each bike so special. Comprehensive specifications cover all the machines' technical aspects.

**Spaceships, Cars and Pilots of Another Galaxy** Springer

A beautiful and comprehensive celebration of the art and design of classic motorcycles, from the early twentieth century through the 1950s. This is the most beautiful book of its kind: celebrating the art and design of the luxury motorcycle by presenting forty of the best-designed and most enduringly iconic motorcycles ever made, spanning half a century. The book showcases forty rare and exceptional motorcycles, from 1905 to 1956, presented in chronological order, illustrated with stunning studio photographs that present the machines as works of art and wonders of design in themselves. An international roster is featured: a 1905 Peugeot Factory Racer, a 1916 Indian Power Plus, a 1929 Majestic, a 1936 Excelsior Manxman, a 1951 Harley Davidson 750CC WR, a 1951 Vincent 1000CC Black Shadow, and a 1955 Triumph Tiger Cub, among others. Written by a motorcycle collector and expert, the book presents the history of the motorcycle through the most significant makes of all time. Each is accompanied by detailed images and texts covering the bike's background, legends behind the machines, feats of design and engineering, and tales of classic races, rallies, and motorcycle shows. The book is enhanced with reproductions of period ads and historic photos, evoking a sense of time and place.